

**Amendments to the Claims:**

This Listing of Claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (currently amended) A moving object detecting and measuring apparatus formed by using a computer, including:

a first moving object detecting means having a first detecting area defined in the shape of a slit on an input image;

at least one one or more second moving object detecting means having a second detecting area defined in the shape of a slit on the same straight line as the first detecting area, said second detecting area being different in length from said first detecting area; and

moving object measuring means for deciding a length of said moving object passing through said slit in a longitudinal direction of said slit according to output of said first and second moving object detecting means wherein coordinates, on said image, of a start point and an end point of said first and second detecting areas can be set by an input device.

2. (original) A moving object detecting and measuring apparatus according to Claim 1, wherein said second detecting area includes one or more detecting areas defined by partitioning said first detecting area.

3. (original) A moving object detecting and measuring apparatus according to Claim 1, wherein said second detecting area includes one or more detecting areas defined so as to extend from one end of said first detecting area and be shorter in length than said first detecting area.

4. (currently amended) A moving object detecting and measuring apparatus according to Claim 3, wherein said second detecting area includes one or more detecting areas extending from one upper end of said first detecting area, said one or more detecting areas being defined so as to be shorter than said first detecting area and be different ~~various~~-in length.